On power sources

- **Operate the unit only on 3V DC.**
  For battery operation, use **two size AA (R6) batteries.**
  For AC operation, use the AC power adaptor recommended for this unit. Do not use any other type.
- When the internal batteries are not to be used, remove them to avoid damage caused by battery leakage and corrosion.

On location

- Do not leave the unit in a location near heat sources, or in a place subject to direct sunlight, excessive dust, or mechanical shock.
- Since a strong magnet is used for the speaker, keep personal credit cards using magnetic coding or spring-wound watches away from the unit to prevent possible damage from the magnet.

On operation

- If the unit has not been used for a long time, set it in the playback mode to warm it up for a few minutes before inserting a cassette.
- Should any solid object or liquid fall into the unit, remove the batteries or disconnect the AC power adaptor, and have the unit checked by qualified personnel before operating it any further.
- **Use only the (MICROCASSETTE)™ with this unit.**
- Two tape speeds can be selected for recording with the TAPE SPEED selector: 2.4 cm or 1.2 cm.
  Match the playback speed to the recording speed.
  Select the 2.4cm tape speed for recording, if you play back the recorded tape with another unit. Otherwise, the sound quality may be changed.

If you have any question or problem concerning your unit that is not covered in this manual, please consult the nearest Sony dealer.

Tape	"MICROCASSETTE" (normal position type)
Recording system	2-track 1-channel monaural
Speaker	Approx. 4 cm (1 5/8 inches) dia.
Tape speed	2.4 cm/s (15/16 ips), 1.2 cm/s (15/32 ips)
Frequency response	250 - 4,000 Hz (at 2.4 cm position)
Input	Microphone jack (minijack) (PLUG IN POWER) sensitivity 0.4 mV for 3 kilo ohm or lower impedance microphone
Output	Earphone jack (minijack) for 8-300 ohm earphone
Power output	150 mW (at 10 % harmonic distortion)
Battery life (recording)	Sony SUM-3 (NS): Approx. 6 hours Sony AM3 (N): Approx. 18 hours
Power requirements	3 V DC, two size AA (R6) batteries DC IN 3V jack accepts: • Sony AC-D2M AC power adaptor (not supplied) for use on 120 V AC, 60 Hz • Sony DCC-70 car battery cord (not supplied) for use with 12 V car battery
Dimensions	Approx. 67.5 × 124 × 27 mm (w/h/d) (2⅝ × 5 × 1⅛ inches) Incl. protecting parts and controls
Weight	Approx. 180 g (6.4 oz.) incl. batteries
Accessories supplied	AC power adaptor (1) Handstrap (1)

Design and specifications subject to change without notice.

Optional accessories

Microcassette MC-30, MC-60, 3MC-60
Earphone ME-81, ME-L82
Connecting cord RK-G64 (mini/plug to mini/plug with attenuator)
Electret condenser microphone ECM-011, ECM-D5, etc
AC power adaptor AC-D2M
Car battery cord DCC-70

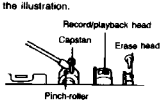
Note: Use only the recommended AC power adaptor or car battery cord manufactured by Sony. Polarity of the plugs of other manufacturers may be different.

Polarity of the Sony plug

Maintenance

Cleaning the heads

Clean the tape heads after every 10 hours of use to enjoy optimum sound. Moisten a cotton swab or a soft cloth with alcohol and wipe the parts shown in the illustration.



Cleaning the casing

Clean the casing with a soft cloth slightly moistened with water or a mild detergent solution. Do not use alcohol, benzine or thinner as they may mar the finish.

Troubleshooting Guide

Should any problem persist after you have made these checks, consult your nearest Sony service facility.

Trouble	Cause and/or remedy
Cassette cannot be inserted.	• Cassette is inserted improperly. See "Cassette Insertion".
The ● button cannot be depressed.	• The ▼ button is depressed. • No cassette in the cassette holder. • The cassette inserted has had the tabs removed. See "Cassette Insertion".
The ● or ▼ button cannot be locked.	• The tape is completely rewound towards the arrow direction on the cassette holder. • After the automatic shut-off, the PAUSE switch is on. Slide the PAUSE switch in the opposite direction of the arrow.
The ● or ▼ button is locked, but playback/recording does not start.	• Slide the PAUSE switch in the opposite direction of the arrow. • Incorrect polarity of batteries • Weak batteries
No sound from the speaker	• An earphone is plugged in. • The VOL control is turned down completely.
Weak or distorted sound	Weak batteries
Sound drop-outs, loss of high frequencies, or excessive noise	Dirty heads. See "Maintenance".
Tape speed is excessively fast or slow while playing back.	Improper setting of the TAPE SPEED selector
Recording cannot be made or is unsatisfactory.	• Weak batteries • Dirty record/playback head See "Maintenance". • Improper setting of the VOR switch Set it to "H" or "OFF".
Unsatisfactory erasing	Dirty erase head. See "Maintenance".

SONY

PERSONAL PORTABLE AUDIO PRODUCTS

LIMITED WARRANTY

SONY CORPORATION OF AMERICA ("SONY") warrants this product against defects in material or workmanship as follows:

1. For a period of [illegible] days from the date of retail purchase, SONY shall at its sole and absolute option either repair the defective product at no charge or replace the defective product with the same model or its equivalent model at no charge through a SONY SERVICE CENTER.

To obtain warranty service during the initial 90 day period, you must take the product, or deliver the product prepaid, to one of the SONY SERVICE CENTERS located in the United States.

2. After the initial 90 day period, SONY will supply, at no charge, new or rebuilt replacements for defective parts for a period of 1 year from the date of retail purchase.

Labor for removal and installation of these parts is available from your SONY authorized service facility or SONY SERVICE CENTER at your expense.

Proof of purchase in the form of a bill of sale or receipted invoice, which indicates that the product is within the warranty period, must be presented to obtain warranty service. SONY suggests that the purchaser retain the dealer's dated bill of sale as evidence of the date of retail purchase.

This warranty does not cover cosmetic damage and damage in any part of the product, including the antenna, which results from acts of God, accident, misuse, abuse, improper maintenance, or connection to an improper voltage supply.

This warranty is valid only if the serial number appears on the product. This warranty is valid only in the United States of America.

REPAIR OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY OF THE CONSUMER. SONY SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW. ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS PRODUCT IS LIMITED IN DURATION TO THE DURATION OF THIS WARRANTY.

Some states do not allow the exclusion or limitation of incidental or consequential damages, or allow limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you. In addition, if you enter into a service contract with the Sony Partnership on within 90 days of the date of sale, the limitation on how long an implied warranty lasts does not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Please refer to the list of SONY SERVICE CENTERS on the reverse side for the SONY SERVICE CENTER nearest you.

For your convenience, Sony Corporation of America has established the Customer Information Center to supply you with product or service information.

SONY CUSTOMER INFORMATION CENTER
201 930 SONY (7669)

or write to:

SONY CUSTOMER INFORMATION CENTER
Sony Drive, Mail Drop M1
Park Ridge, New Jersey 07656

SONY CORPORATION OF AMERICA
Sony Drive, Park Ridge, New Jersey 07656

Sony Service Centers

Arizona
Phoenix
2240 North Scottsdale Road
Tempe, AZ 85281
(602) 949-1885

California
Burbank (East Angeles area)
4 500 Riverside Drive Suite A
Burbank, CA 91505
(818) 972-7669

Costa Mesa (Orange County area)
2729 Bristol Street South
Costa Mesa, CA 92626
(714) 549-9833

San Bruno (San Francisco area)
761 Cermino Plaza
San Bruno, CA 94066
(415) 871-7810

San Diego
5075 Complex Drive
San Diego, CA 92121
(619) 278-2724

San Jose
1298 Old Oakland Road
San Jose, CA 95112
(408) 280-7669

Colorado
Denver
Tabeina Place Center
10140 East 6th Avenue
Aurora, CO 80014
(303) 755-7669

Florida
Fort Lauderdale
3804 North 29th Avenue
Hollywood, FL 33020
(305) 920-3669

Georgia
Atlanta
120 Interstate North Parkway East
Suite 410
Atlanta, GA 30339
(404) 953-5874

Hawaii
Honolulu
950 Maeukaahia Street
Honolulu, HI 96818
(808) 836-6677

Illinois
Niles (Chicago NW)
7540 Caldwell Avenue
Niles, IL 60648
(312) 647-7300

Westmont (Chicago SW)
6036 38 South Cass Avenue
Westmont, IL 60559
(312) 969-0040

Kansas
Kansas City
11727 West 95 Street
Overland Park
KS 66214
(913) 888-2622

Maryland (Washington DC)
Washington SE
1358 Hutton Lane
Langley Park, MD 20783
(301) 439-3600 01

Massachusetts
Boston
360 University Avenue
128 Westwood Industrial Center
Westwood MA 02090
(617) 329-5130

Michigan
Detroit
24301 Indoplex Circle
Farmington Hills, MI 48018
(313) 477-7800

Minnesota
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4300 W. 78th Street
St. Louis Park, MN 55416
(612) 920-8080

Missouri
St. Louis
11462-0 National Bridge Road
Bridgeton, MO 63044
(314) 291-2301

New Jersey
Englewood Cliffs (NY Metro area)
61 Sylvan Avenue
Englewood Cliffs, NJ 07632
(201) 585-1974

Mahwah (NY Metropolitan Area)
180 Route 17 South
Mahwah, NJ 07430
(201) 529-1655

Ohio
Cleveland
6370 Wall Road
Parma Heights, OH 44130
(216) 845-7669

Pennsylvania
Philadelphia
10380 Drumore Road
Philadelphia, PA 19154
(215) 637-0850 1

Pittsburgh
Wexford Plaza
10840 Perry Highway (Rt. 19N)
Wexford, PA 15090
(412) 935-8466

Texas
Dallas
401 Preston Valley Shopping Center
Dallas, TX 75230
(214) 661-2537

Houston
6747 Richmond Avenue
Houston, TX 77057
(713) 789-8181

Washington
Seattle
515 South Michigan Street
Seattle, WA 98108
(206) 762-9500

Sony District Service Offices

Western Zone

Western District
Sony Service Company
2729 Bristol Street South
Costa Mesa, CA 92626
(714) 549-4858

Northwestern District
Sony Service Company
1259 Old Oakland Road
San Jose, CA 95112
(408) 280-7675

Southwestern District
Sony Service Company
3201 Premier Dr. Suite 100
Irving, TX 75063
(214) 550-9200

Central Zone

Mid-West District
Sony Service Company
7540 Caldwell Avenue
Niles, IL 60648
(312) 647-2424

East Central District
Sony Service Company
24301 Indoplex Circle
Farmington Hills, MI 48018
(313) 477-8800

Eastern Zone

Eastern District
Sony Service Company
3306 Route 17 South
Mahwah, NJ 07430
(201) 529-1616

Mid Atlantic District
Sony Service Company
10380 Drumore Road
Philadelphia, PA 19154
(215) 637-1997

Southeastern District
Sony Service Company
6814 North 29th Avenue
Hollywood, FL 33024
(305) 920-3690

Microcassette™-corder

M-555V

Operating Instructions

Before operating the unit, please read this manual thoroughly and retain it for future reference.

Sony Corporation Printed in Japan © 1991

Owner's Record

The model number is located on the bottom and the serial number is located in the battery compartment. Record the serial number in the space provided below. Refer to these numbers whenever you call upon your Sony dealer regarding this product.

Model No. M-555V Serial No. _____

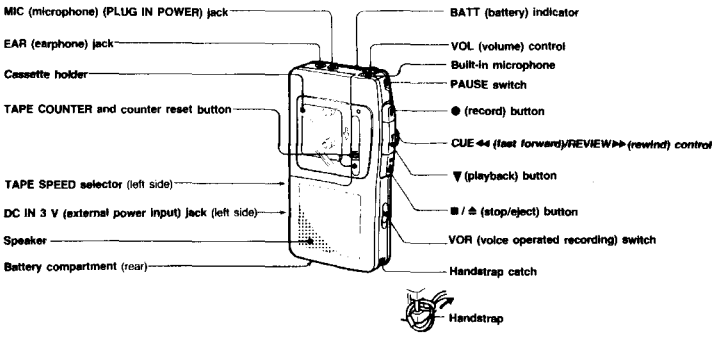
FILE COPY

Features

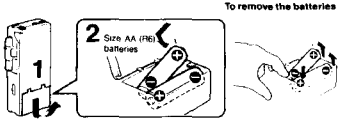
- Compact size and easy operation
- VOR (voice operated recording) system economizes on tapes, batteries and your time.
- You can start recording directly from the playback mode. This function is convenient to correct a previously recorded portion.
- Automatic shut-off mechanism
- Supplied AC power adaptor extends hours of operation and saves battery consumption, contributing to environmental protection.

What is VOR (voice operated recording) system?
With this system, recording starts only when sound is picked up and stops automatically when sound is no longer detected.

Parts Identification

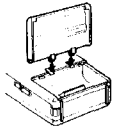


Battery Installation

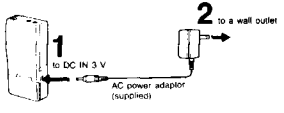


When to replace the batteries
When the batteries become weak, the BATT indicator will glow faintly and sound will become distorted or unstable. In this case, replace both batteries with new ones.
For battery life, see "Specifications".

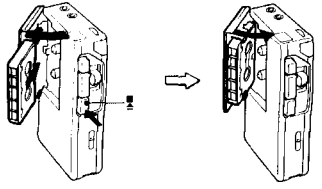
Note on the battery case
If the battery compartment lid is detached by an accidental drop, excessive force etc., attach it as illustrated.



House Current Operation

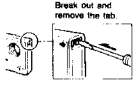


Cassette Insertion

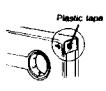


Notes on Microcassette

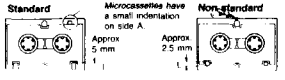
To protect cassettes from accidental erasure



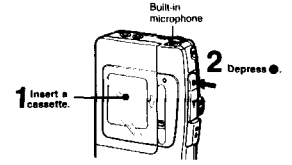
To reuse a cassette
Cover the slot with plastic tape.



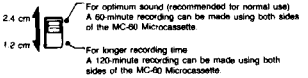
This unit uses only standard Microcassettes. Non standard cassettes cannot be used because their "L" dimension (see illustration) is different.



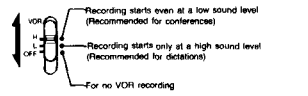
Recording with the Built-in Microphone



To select the desired tape speed


2.4 cm
1.2 cm
For optimum sound (recommended for normal use) A 60-minute recording can be made using both sides of the MC-60 Microcassette.
For longer recording time A 120-minute recording can be made using both sides of the MC-60 Microcassette.

Recording only when sound is picked up (VOR system)


VOR
H
L
OFF
Recording starts even at a low sound level (Recommended for conference)
Recording starts only at a high sound level (Recommended for dictation)
For no VOR recording

Quick review function
Simply push up the CUE◀◀ /REVIEW▶▶ control towards REVIEW▶▶ while recording.
When the control is released, playback begins for review of the recorded material.

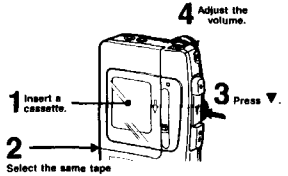
To listen to the recorded sound
You can listen to the sound being recorded through the earphone (not supplied). (You cannot adjust the monitor volume.)

To stop the tape
Press the ■ / ≙ button.

To stop the tape momentarily in the playback or recording mode
Slide the PAUSE switch in the direction of the arrow.

At the end of the tape
In recording or playback mode, tape stops at the end of the tape and the locked button will be released automatically (Automatic shut-off mechanism.)
After advancing or rewinding the tape until its end, **be sure to press the ■ / ≙ button to release the CUE◀◀/REVIEW▶▶ control.**

Playback


4 Adjust the volume.
1 Insert a cassette.
3 Press ▼.
2
Select the same tape speed as that used for recording with the TAPE SPEED selector.

To rapidly advance the tape, slide the CUE◀◀ /REVIEW▶▶ control to ◀◀CUE.
To rewind the tape, slide the CUE◀◀ /REVIEW▶▶ control to REVIEW▶▶.

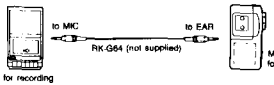
When the earphone is plugged in
The speaker is automatically disconnected.

To skip over or repeat a certain portion during playback
Keep the CUE◀◀ /REVIEW▶▶ control pushed up or down with the ▼ button depressed. When the control is released, playback begins.

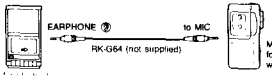
To start recording directly from playback mode
During playback, simply depress the ● button and the recorder will immediately change to the recording mode.

Recording/Playback with Connected Equipment

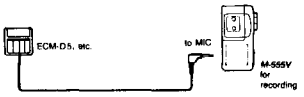
Dubbing onto another tape recorder



Recording from another tape recorder



Recording with an external microphone



- The built-in microphone is automatically deactivated.
- When connecting an *electret condenser microphone with "Plug-in power"* system, the power is supplied from the MIC (PLUG IN POWER) jack of the M-555V, and you do not have to insert a battery in the microphone.